Ministry of Northern Development and Mines

Mines and Minerals Division

Ontario

ONTARIO GEOLOGICAL SURVEY

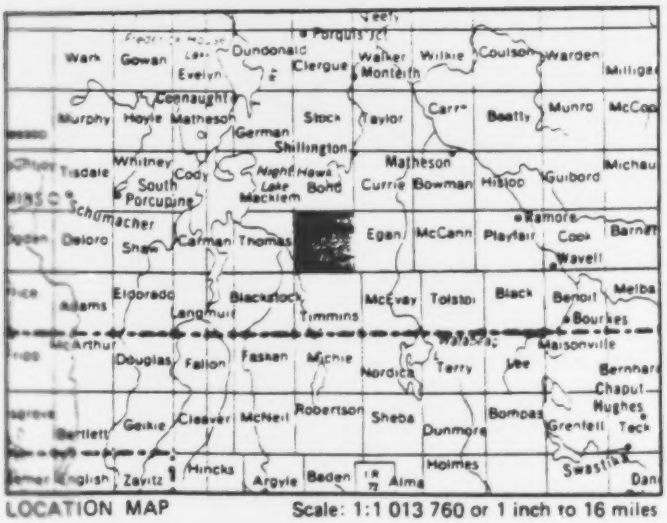
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 402

# SHERATON TOWNSHIP

DISTRICT OF COCHRANE

Compiled by the Staff of
the Resident Geologist's Office
Kirkland Lake




LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles

88-02260/

NTS Number 42A/07

Mining Claim Map Number

This project is part of Operation Black River-Matheson (BRIM) which was funded equally by the Ontario Ministry of Northern Development and Mines and the Ontario Ministry of Natural Resources.

**STATEMENT** This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows.

Ontario Geological Survey
1987: Sheraton Township, District of Cochrane; Ontario Geological Survey, Geological Data Inventory Folio 402, compiled by the staff of the Resident Geologist's Office, Kirkland Lake, 30p, and 2 maps.

Original Compilation by: Uttam Kalicharran

| Date | Page Revised | Revised by |
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SHERATON TOWNSHIP

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## ACCOMPANYING MAPS


Property Location Map 1
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Map Scale 1: 31 680 or 1 inch to ½ mile

# CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

| CONVERSION FROM SI TO IMPERIAL | | | CONVERSION FROM IMPERIAL TO SI | | |
|---|---|---|---|---|---|
| *SI Unit* | *Multiplied by* | *Gives* | *Imperial Unit* | *Multiplied by* | *Gives* |
| | | | **LENGTH** | | |
| 1 mm | 0.039 37 | inches | 1 inch | **25.4** | mm |
| 1 cm | 0.393 70 | inches | 1 inch | **2.54** | cm |
| 1 m | 3.280 84 | feet | 1 foot | **0.304 8** | m |
| 1 m | 0.049 709 7 | chains | 1 chain | 20.116 8 | m |
| 1 km | 0.621 371 | miles (statute) | 1 mile (statute) | **1.609 344** | km |
| | | | **AREA** | | |
| 1 $cm^2$ | 0.155 0 | square inches | 1 square inch | **6.451 6** | $cm^2$ |
| 1 $m^2$ | 10.763 9 | square feet | 1 square foot | **0.092 903 04** | $m^2$ |
| 1 $km^2$ | 0.386 10 | square miles | 1 square mile | 2.589 988 | $km^2$ |
| 1 ha | 2.471 054 | acres | 1 acre | 0.404 685 6 | ha |
| | | | **VOLUME** | | |
| 1 $cm^3$ | 0.061 02 | cubic inches | 1 cubic inch | **16.387 064** | $cm^3$ |
| 1 $m^3$ | 35.314 7 | cubic feet | 1 cubic foot | 0.028 316 85 | $m^3$ |
| 1 $m^3$ | 1.308 0 | cubic yards | 1 cubic yard | 0.764 555 | $m^3$ |
| | | | **CAPACITY** | | |
| 1 L | 1.759 755 | pints | 1 pint | 0.568 261 | L |
| 1 L | 0.879 877 | quarts | 1 quart | 1.136 522 | L |
| 1 L | 0.219 969 | gallons | 1 gallon | **4.546 090** | L |
| | | | **MASS** | | |
| 1 g | 0.035 273 96 | ounces (avdp) | 1 ounce (avdp) | 28.349 523 | g |
| 1 g | 0.032 150 75 | ounces (troy) | 1 ounce (troy) | **31.103 476 8** | g |
| 1 kg | 2.204 62 | pounds (avdp) | 1 pound (avdp) | **0.453 592 37** | kg |
| 1 kg | 0.001 102 3 | tons (short) | 1 ton (short) | **907.184 74** | kg |
| 1 t | 1.102 311 | tons (short) | 1 ton (short) | **0.907 184 74** | t |
| 1 kg | 0.000 984 21 | tons (long) | 1 ton (long) | **1016.046 908 8** | kg |
| 1 t | 0.984 206 5 | tons (long) | 1 ton (long) | **1.016 046 908 8** | t |
| | | | **CONCENTRATION** | | |
| 1 g/t | 0.029 166 6 | ounce (troy)/ ton (short) | 1 ounce (troy)/ ton (short) | 34.285 714 2 | g/t |
| 1 g/t | 0.583 333 33 | pennyweights/ ton (short) | 1 pennyweight/ ton (short) | 1.714 285 7 | g/t |

**OTHER USEFUL CONVERSION FACTORS**

| | | |
|---|---|---|
| 1 ounce (troy)/ton (short) | 20.0 | pennyweights/ton (short) |
| 1 pennyweight/ton (short) | 0.05 | ounce (troy)/ton (short) |

**One gram(g) per tonne is equivalent to one part per million (1 ppm).**

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

# DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

| | SOURCES OF DATA | Data | Initial |
|---|---|---|---|
| 1 | Resident Geologist's Office Files | YES | U.K. |
| 2 | Assessment Files Research Office, Toronto | NO | U.K. |
| 3 | ODM General Index; 9 volumes | YES | D.M. |
| 4 | Catalogue of Airborne Geophysical Surveys (ODM) | - | - |
| 5 | ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars | NO | U.K. |
| 6 | ODM Industrial Mineral Reports | NO | U.K. |
| 7 | Bibliography of Post Precambrian Theses - Karrow (ODM MP 1) | NO | U.K. |
| 8 | Bibliography of Precambrian Theses - Ginn (ODM MP 2) | NO | U.K. |
| 9 | Newspaper Clippings File | NO | U.K. |
| 10 | GSC Index to Publications | YES | U.K. |
| 11 | OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77 | YES | U.K. |
| 12 | OGS Index Maps | YES | U.K. |
| 13 | Source Mineral Deposit Records (O.G.S.) | YES | U.K. |
| 14 | Author - Subject Articles File | YES | U.K. |
| 15 | Miscellaneous Papers ODM & OGS | YES | U.K. |
| 16 | ODM Geological Circulars OGS Study Series | NO | U.K. |
| 17 | ODM Preliminary Reports ODM Bulletins | YES | U.K. |
| 18 | ODM – OGS Open File Reports | YES | U.K. |
| 19 | OGS Northern Ontario Engineering Geology Terrain Studies | NO | U.K. |
| 20 | OGS Aggregate Resources Inventory Papers | NO | U.K. |
| 21 | OGS Mineral Potential Maps | YES | U.K. |
| | | | |

# METALS AND MINERALS REFERENCES LIST

| | | | |
|---|---|---|---|
| Δ anh. . . . . Anhydrite | Δ fu. . . . . Fuchsite | Δ Ni. . . . . Nickel | Δ st . . . . . Stone |
| Δ ank. . . . . Ankerite | Δ gn. . . . . Galena | Δ Nb . . . . . Niobium | Δ talc. . . . . Talc |
| Δ anna . . . . . Annabergite | Δ gt . . . . . Garnet | Δ Pd . . . . . Palladium | Δ Te . . . . . Tellurium |
| Δ ap. . . . . Apatite | Δ goe . . . . . Goethite | Δ peat . . . . . Peat | Δ td. . . . . Tetrahedrite |
| Δ arg . . . . . Argentite | ▲ Au . . . . . Gold | Δ pent . . . . . Pentlandite | Δ th. . . . . Thorite |
| Δ As . . . . . Arsenic | Δ gf . . . . . Graphite | Δ Pt. . . . . Platinum | Δ Th . . . . . Thorium |
| Δ asp . . . . . Arsenopyrite | Δ gl . . . . . Gravel | Δ py . . . . . Pyrite | Δ thuc . . . . . Thucholite |
| Δ asb . . . . . Asbestos | Δ gyp . . . . . Gypsum | Δ pyl . . . . . Pyrochlore | Δ ti . . . . . Titanite |
| Δ ba. . . . . Barite | Δ hem . . . . . Hematite | Δ pyrl . . . . . Pyrolusite | Δ Ti. . . . . Titanium |
| Δ be. . . . . Beryl | Δ il . . . . . Ilmenite | Δ po . . . . . Pyrrhotite | Δ tour . . . . . Tourmaline |
| Δ Bi. . . . . Bismuth | Δ Fe . . . . . Iron | Δ q . . . . . Quartz | Δ trap . . . . . Trap rock |
| Δ bn . . . . . Bornite | Δ IF. . . . . Iron Formation | Δ qcv . . . . Quartz carbonate vein | Δ W. . . . . Tungsten |
| Δ bran . . . . . Brannerite | Δ jas . . . . . Jasper | Δ ra. . . . . Radioactive minerals | Δ uran . . . . . Uraninite |
| Δ bruc . . . . . Brucite | Δ kaol . . . . . Kaolinite (kaolin) | Δ RE . . . . . Rare Earths | Δ U . . . . . Uranium |
| Δ Cd . . . . . Cadmium | Δ ky . . . . . Kyanite | Δ sd. . . . . Sand | Δ verm . . . . . Vermiculite |
| Δ calc. . . . . Calcite | Δ Pb . . . . . Lead | Δ sgl . . . . . Sand and gravel | Δ Y . . . . . Yttrium |
| Δ carb . . . . . Carbonate | Δ lim . . . . . Limonite | Δ ss . . . . . Sandstone | Δ Zn . . . . . Zinc |
| Δ cel . . . . . Celestite | Δ Li. . . . . Lithium | Δ scap . . . . . Scapolite | Δ zr. . . . . Zircon |
| Δ cc. . . . . Chalcocite | Δ mgst . . . . . Magnesite | Δ shee . . . . . Scheelite | |
| Δ cp. . . . . Chalcopyrite | Δ mag . . . . . Magnetite | Δ serp . . . . . Serpentine | |
| Δ ch. . . . . Chert | Δ mc . . . . . Malachite | Δ sh. . . . . Shale | |
| Δ clay . . . . . Clay | Δ Mn . . . . . Manganese | Δ sid . . . . . Siderite | |
| Δ Co . . . . . Cobalt | Δ mb . . . . . Marble | Δ si . . . . . Silica | |
| Δ cob. . . . . Cobaltite | Δ mar. . . . . Marcasite | Δ Ag . . . . . Silver | |
| Δ cb. . . . . Columbite | Δ ma . . . . . Marl | Δ sl . . . . . Slate | |
| Δ Cu . . . . . Copper | Δ mi . . . . . Mica | Δ sm . . . . . Smaltite | |
| Δ cor . . . . . Corundum | Δ ml . . . . . Millerite | Δ sod . . . . . Sodalite | |
| Δ dol . . . . . Dolomite | Δ mo . . . . . Molybdenite | Δ spec . . . . . Specularite | |
| Δ ep. . . . . Epidote | Δ Mo . . . . . Molybdenum | Δ sp. . . . . Sphalerite | |
| Δ ery . . . . . Erythrite | Δ mon . . . . . Monazite | Δ spd . . . . . Spodumene | |
| Δ fel . . . . . Feldspar | Δ ne. . . . . Nephelite (nepheline) | Δ staur . . . . . Staurolite | |
| Δ fl . . . . . Fluorite (fluorspar) | Δ nc. . . . . Niccolite | Δ stib. . . . . Stibnite | |

**Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.**

# MINERAL OCCURRENCES

| Map Ref. Letter | Name(s) | Mineralization | Source Mineral Deposit Record | References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports | Additional References and/or Remarks |
|---|---|---|---|---|---|
| A | Card Lake Copper Mines Ltd. (T-213) | Au | - | Resident Geologist Assessment Files Timmins | DDH #2 (1)* 0.01oz/T Au over 1 ft. |
| B | Roy, J.P. | Au | C0236 | Resident Geologist Assessment Files Timmins<br>ODM 1940,vol.49,pt.4 pg.12<br>ODM 1969,OFR 5037 p.52<br>OGS 1971,MRC 13 pg.136<br>NMI File, 42A/07 ZN 1 | Grab sample 0.37oz/T Au<br>Grab sample 0.069oz/T Au<br>Grab sample 0.13oz/T Au<br>Mafic volcanic rocks and fragmental rocks are cut by porphyry dikes and by diabase. Quartz stringers and adjacent wallrock are mineralized with pyrite and a picked sample assayed 0.32oz/T Au. |
| C | Selco Explorations Co. Ltd. (T-1339) | Au | - | Resident Geologist Assessment Files Timmins | DDH #9 (31) 0.01oz/T Au over 6 ft. |
| D | Armont Occurrence | Au | - | ODM 1940,vol.49, pt.4,p.11<br>ODM 1969, OFR 5037 p.52<br>OGS 1971,MRC 13 p.136 | Quartz vein in Keewatin basalts and fragmental rocks is up to 1 foot wide and extends for 700 feet. 1935 - Some drilling by Goward Gold Mines Ltd. 1936 - Held by Armont Gold Mines Ltd. |

*Number in brackets from Drillhole Summary sheets (pages 7-9)

4 SHERATON TOWNSHIP

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE TIMMINS | | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | PLUGGER | | |
| COMPANY/AUTHOR (file number) | | | | | | | | | | | | | | | | | | | | |
| 1 | Bellechasse Mining Corp. Ltd. (T-704) | 68 | | 68 | | | | | | | | 68 | 68 | | | | | | | |
| 2 | Butler Claims (T-185) | 47 | | | | | | | | | | | | | | | | | | |
| 3 | Card Lake Copper Mines Limited (T-213) | | | | 72 | | | | | | | | | | | | | | | |
| 4 | Cominco Limited (T-341) | | | | 71 | | | | 71 | | | | | | | | | | | |
| 5 | Cominco Limited (T-650) | | | | 74 | | | | 71<br>72 | 71<br>72 | | 71 | 73<br>71 | | | | | | | |
| 6 | Johns Manville Canada Inc. (T-1856) | 84 | | | | | | | | | | 81 | 81 | 84 | | | | 83 | | |
| 7 | Ingamar Exploration Ltd. (T-1878) | | | | | | | | | | 76 | | | | | | | | | |
| 8 | Jarvi, Reino Property (T-664) | | | | 72 | | | | | | | | | | | | | | | |
| 9 | Johns-Manville Canada Inc. (T-2542) | | | | | | | | | | | 81 | 81 | | | | | | | |

GDIF FORM NO. 2

xx - Date unknown

SHERATON TOWNSHIP

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE TIMMINS | | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | | | |
| COMPANY/AUTHOR (file number) | | | | | | | | | | | | | | | | | | | | |
| 10 | Kam-Kotia Mines Limited (T-1010) | | | | 64<br>65<br>67 | 67 | | | | | | 65<br>66 | 65<br>66<br>67 | | | | | | | |
| 11 | Lac Minerals (T-3002) | | | | 85<br>86 | | | | | | | 85<br>86 | | | | | | | | |
| 12 | Noranda Exploration Co. Ltd. (T-1816) | | | | | | | | | | | 77 | 77 | | | | | | | |
| 13 | Ontario Paper Co. Ltd. & Geomont Exploration Co. Ltd. (T-1745) | 75 | | | | | | | | | | 75 | | | 75 | | | | | |
| 14 | Papont Resources Inc. (T-2820) | 83 | | | | | | | | | | 83 | 83 | | | | | | | |
| 15 | Republic Ores & Mining Corp. Ltd. (T-400) | | | | 72 | | | 71 | | | | 71 | 71 | | | | | | | |
| 16 | Roy, J.P. (T-753) | 38 | | 38 | | 38 | | | | | | | | | | | | | | |
| 17 | Selco Exploration Co. Ltd. (T-1339) | | | | 66 | | | | | | | | | | | | | | | |

xx - Date unknown

GDIF FORM NO. 2

SHERATON TOWNSHIP 6

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE TIMMINS<br>COMPANY/AUTHOR (file number) | | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | | | |
| 18 | Stairs Claims (T-179) | | | | 60<br>61 | | | | | | | | | | | | | | | |
| 19 | Sumach Resources Inc. (T-3018) | | | | | | | | 85 | 85 | | | | | | | | | | |

xx - Date unknown

GDIF FORM NO. 2

SHERATON TOWNSHIP

# DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden * | Total Length of Hole | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Card Lake Copper Mines Ltd. (T-213) | 2 | 9/72 | 220° | -50° | 125' | 452' | qcv,py,po,q | Au,Cu,Zn |
| 2 | " " | 1 | 7/72 | - | -90° | 86' | 102' | py,po,cp | - |
| 3 | Cominco Limited (T-341) | R-1 | 8/71 | 360° | -45° | 188' | 505' | py,gf | - |
| 4 | Cominco Limited (T-650) | RA-2 | 7/74 | - | -130° | 244' | 244' | abandoned | - |
| 5 | " " | RA-2A | 7/74 | - | -115° | 220' | 553' | py,gf,qcv carb,cp | - |
| 6 | Jarvi, Reino Property (T-664) | 2 | 9/72 | 270° | -50° | 125' | 201' | qcv,py,po,q | - |
| 7 | Kam-Kotia Mines Ltd. (T-1010) | S-1 | 12/64 | 8° | -50° | 4' | 249' | py,cp | - |
| 8 | " " | S-2 | 12/64 | 354° | -50° | 3' | 380' | py,q,calc po,qcv,cp | - |
| 9 | " " | S-3 | 1/65 | 30° | -50° | 130' | 303' | py,po,cp | - |
| 10 | " " | S-4 | 1/65 | 30° | -50° | 27' | 262' | py,carb,po qcv,cp | - |
| 11 | " " | S-5 | 1/65 | 30° | -50° | 24' | 187' | cp,qcv,py | - |
| 12 | " " | S-6-1 | 1/65 | 30° | -50° | 30' | 70' | cp | - |
| 13 | " " | S-6-2 | 1/65 | 30° | -50° | 68' | 68' | abandoned | |

* - Length of overburden down drillhole
? - Location unknown
** - No drill logs
† - Core stored at Swastika Core Storage Library
xx - No date
++ - From till heavy mineral concentrates

# DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden * | Total Length of Hole | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 14 | Kam-Kotia Mines Ltd. (T-1010) | S-7 | 1/65 | 30° | -50° | 16' | 238' | py,po,cp carb | - |
| 15 | " " | S-8 | 2/65 | - | -90° | 4' | 57' | - | - |
| 16 | " " | S-9 | 2/65 | 30° | -50° | 14' | 302' | py,qcv | - |
| 17 | " " | S-10 | 2/65 | 30° | -50° | 10' | 35' | - | - |
| 18 | " " | S-11 | 2/65 | 354° | -50° | 3' | 307' | py,cp | - |
| 19 | " " | S-12 | 2/65 | 30° | -50° | 152' | 162' | - | - |
| 20 | " " | S-13 | 3/65 | 30° | -50° | 100' | 350' | qcv | - |
| 21 | " " | S-14 | 7/65 | 30° | -45° | 31' | 400' | qcv,py,carb | - |
| 22 | " " | S-15 | 7/65 | 210° | -45° | - | 184' | carb,py | - |
| 23 | " " | 2 | 3/67 | 90° | -50° | 123' | 424' | py,mag,sp cp,qcv | Au,Ag,Cu Ni,Zn |
| 24 | " " | 1 | 2/67 | 270° | -50° | 149' | 606' | cp,carb,py gf,mag,qcv,q | Au,Ag,Cu Ni,Zn |
| 25 | Lac Minerals (T-3002) | Sh-5-A | 11/85 | - | -90° | 180' | 626' | mag,carb py,q,qcv | - |
| 26 | " " | Sh-3-B | 1/86 | - | -90° | 218' | 687' | mag,q | - |
| 27 | " " | Sh-14-A | 2/86 | 270° | -65° | 156' | 807' | py,calc,q qcv,hem | - |

* - Length of overburden down drillhole
? - Location unknown
## - No drill logs
† - Core stored at Swastika Core Storage Library
xx - No date
++ - From till heavy mineral concentrates

# DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden * | Total Length of Hole | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 28 | Lac Minerals (T-3002) | Sh-4-A | 11/85 | 270° | -65° | 252' | 757' | py,qcv,carb calc | - |
| 29 | " " | Sh-Tr-1 | 1/86 | 360° | -65° | 392' | 987' | calc,q | - |
| 30 | Republic Ores & Mining Corp. Ltd. (T-400) | 72-6 | 4/72 | - | -60° | 65' | 576' | py,serp,qcv | - |
| 31 | Selco Exploration Co. Ltd. (T-1339) | 9 | 1966 | 330° | -50° | 135' | 357' | py,cp | Au,Ag |
| 32 | Stairs Claims (T-179) | 1 | 11/60 | 310° | -90° | 12' | 454' | py,q | - |
| 33 | " " | 2 | 12/60 | 310° | -50° | 21' | 502' | py,cp qcv,q | - |
| 34 | " " | 3 | 12/60 | 310° | -50° | 29' | 407' | qcv,py mag,q | - |
| 35 | " " | 4 | 12/60 | 310° | -50° | 24' | 403' | qcv,py,q | - |
| 36 | " " | 5 | 1/61 | 310° | -54° | 48' | 400' | py,qcv q,cp | - |

* - Length of overburden down drillhole
? - Location unknown
** - No drill logs
† - Core stored at Swastika Core Storage Library
xx - No date
++ - From till heavy mineral concentrates

# AIRBORNE GEOPHYSICAL SURVEY DATA

| No. | By<br>For | Type of Survey | Flight Altitude | Flight Line Direction | Flight Line Spacing |
|---|---|---|---|---|---|
| 4 | Dighem Ltd.<br>Cominco Ltd. (T-341) | Magnetic | 200' | N-S | 1/8 & 1/4mi. |
| 5 | Dighem Ltd.<br>Cominco Ltd. (T-650) | Magnetic | 200 plane<br>170 bird | N-S | 1/8 mi. |
| | | Electromagnetic | 140' | | |
| | Geoterrex Ltd.<br>Cominco Ltd. (T-650) | Magnetic<br>Electromagnetic | 150' | N-S | 1/8 mi. |
| 7 | Ingamar Exploration Ltd.<br>(T-1878)<br>Ingamar Exploration Ltd. | Radiometric | 200' | N-S | 1/8 mi. |
| 19 | H. Ferderber Geophysics<br>Sumach Resources Inc. | Magnetic<br>Electromagnetic | 250' | N-S | 1/12 mi. |

| Map Sample Site Reference Number | GEOCHEMICAL SURVEY DATA | | By | Reference |
|---|---|---|---|---|
| | Type of Survey | Analysis For | | |
| | | | | |

GDIF FORM NO. 5

# MISCELLANEOUS DATA

## AGE DATING

| Site | Method | Material | Reference | Result |
|---|---|---|---|---|
| | | | | |

Aerial Photographs

Black and White scale 1:1/4 mile
scale 1:1 mile

Landsat Data scale 1:500,000

Band 3 , 9/5/83
Band 4 , 31/2/83
Bands 1+2+4 , 2/10/83
Bands 1+2+4 , 9/5/83

# NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

Kirkland Lake

Bellechase Mining Corp.

Nov 14, ?

QC Explorations

The Northern Miner Jun 06, 1975 Jun 06, 1975

# ODM GENERAL INDEX SEARCH

**Words searched:**
Sheraton Township

| Index Volume | Listing: | Report Volume | Part | Page |
|---|---|---|---|---|
| 2 | Sheraton Tp., Coch. | | | |
| | Agricultural area; character of country | 31 | 7 | 6,28 |
| | Gold discoveries | 31 | 1 | 52 |
| | Map Geological | 34 | 7 | 4 |
| | see also map 31d with | 31 | 7 | |
| 3 | Sheraton Tp., Coch. | | | |
| | Gold m.g. properties | 49 | 4 | 11,28,18 |
| | Photo frontis | 49 | 4 | |
| | Rocks, notes and photo | 49 | 4 | 4,5,7,8 |
| | Timber | 49 | 4 | 3 |
| 9 | Sheraton Tp., Coch. | | | |
| | Copper float | MDC 017 | | 77 |
| | Gravity Survey of Tim-Matheson area | GR 135 | | |

GDIF FORM NO. 8

# ODM GENERAL INDEX SEARCH

Words searched:

| Index Volume | Listing | Report Volume | Part | Page |
|---|---|---|---|---|
| | | | | |

SHERATON TOWNSHIP

GDIF FORM NO. 8

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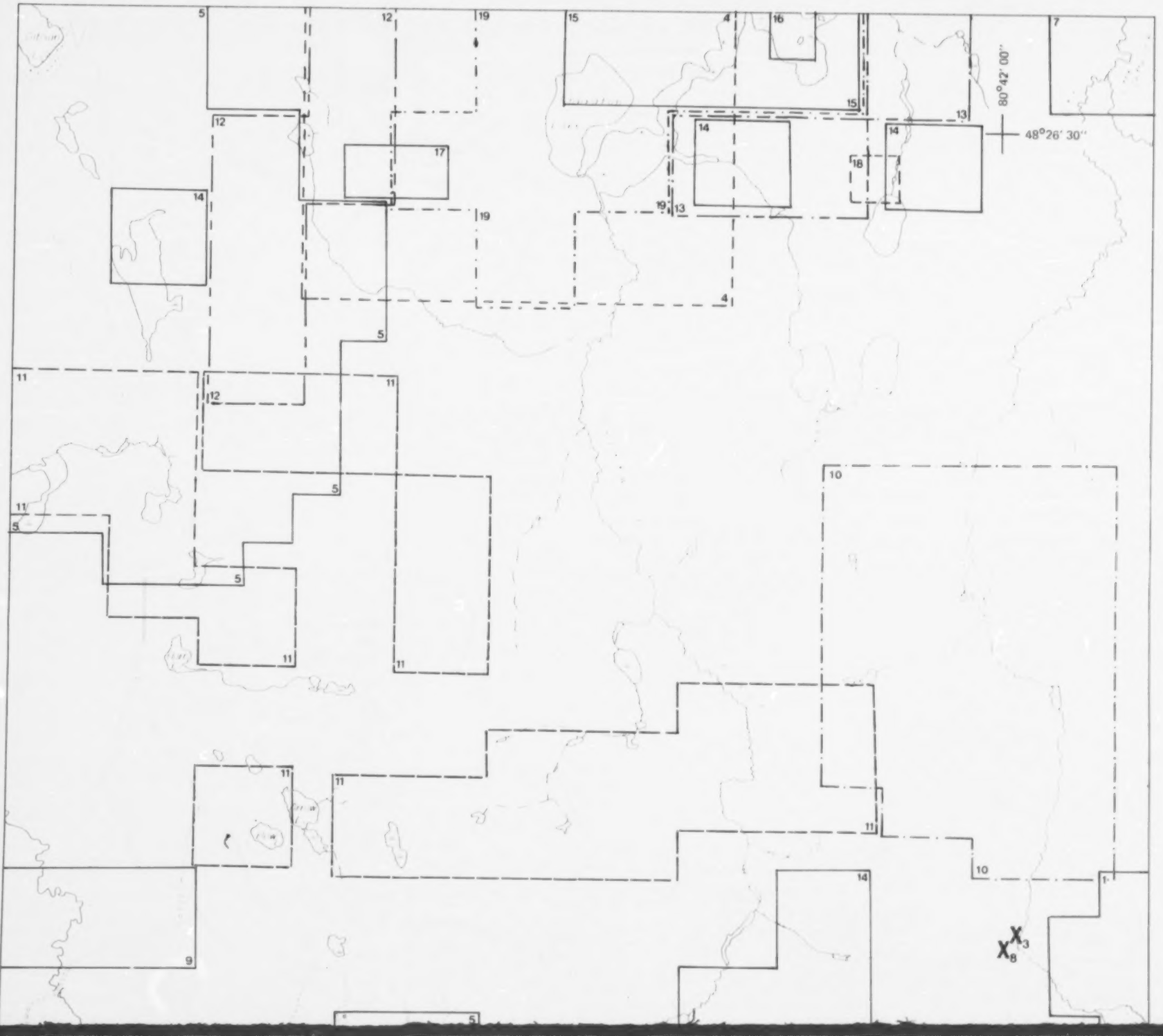


Ministry of Northern Development and Mines

Mines and Minerals Division

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 402

(Map 1 of 2)

# SHERATON TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Miles

## EXPLORATION DATA FILE AREAS

■ ① ⑥ Reference number is always inside work area outlined. See listing in text pages.

(Map 1 of 2)

# SHERATON TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

30°48' 00"

48°22' 00"

## EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area exploration.

TYPES OF DATA SHOWN ON THIS MAP

## GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

## GEOPHYSICAL ANOMALIES

- Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- Airborne electromagnetic anomaly
  Location of anomaly along flight line
- Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- Airborne radiometric anomaly
- Ground magnetic anomaly
- Ground electromagnetic anomaly
  ( VL - Vertical loop; HL - Horizontal loop;
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16 )
- Ground radiometric anomaly
- Induced polarization anomaly
- Self potential anomaly
- Audio-frequency magnetic anomaly
  (total intensity)
- Resistivity anomaly
- Gravity anomaly

## MISCELLANEOUS DATA

- Trenching, pit with refcrence number
- Rock quarry

Ministry of Northern Development and Mines

Mines and Minerals Division

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 402

(Map 2 of 2)

# SHERATON TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

## GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

### MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter
- cp A — Mineral occurence in drillhole, with reference letter drillhole number

### DRILLHOLE

- 2 — Location of single drillhole, with reference number
- 2 — Location of closely spaced group of drillholes, with reference number

Age dating material sampling site, with reference number

## GEOPHYSICAL ANOMALIES

- Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- Airborne electromagnetic anomaly
  Location of anomaly along flight line
- Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- Airborne radiometric anomaly
- Ground magnetic anomaly
- Ground electromagnetic anomaly
  ( VL - Vertical loop; HL - Horizontal loop;
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16 )
- Ground radiometric anomaly
- Induced polarization anomaly
- Self potential anomaly
- Audio-frequency magnetic anomaly
  (total intensity)
- Resistivity anomaly
- Gravity anomaly

## MISCELLANEOUS DATA

- Trenching, pit with refcrence number
- Adit
- Open pit
- Rock quarry
- Sand and or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

GEOLOGICAL DATA INVENTORY FOLIO 402

(Map 2 of 2)

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### DRILLHOLE

- 2 — Location of single drillhole, with reference number
- 2 — Location of closely spaced group of drillholes, with reference number
- ?2 — Drillhole: exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- 2 — Property with drillholes which have not been plotted on map, with reference number
- 2 — Reverse circulation drillhole: churn drilling, with reference and number

80°48' 00"

48°22' 00"